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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
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22919
 SHINJYU GLOBAL IP COUNSELORS, LLP
 1233 20TH STREET, NW, SUITE 700
 WASHINGTON, DC 20036-2680

CONFIRMATION NO. 5580

FILING RECEIPT

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OC000000016720073

COPY

Date Mailed: 08/16/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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Assignment For Published Patent Application

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Power of Attorney: The patent practitioners associated with Customer Number 22919.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/06021 04/26/2004

Foreign Applications

JAPAN 2003123493 04/28/2003

Projected Publication Date: 11/17/2005

Non-Publication Request: No

Early Publication Request: No

RECEIVED

AUG 29 2005



Global IP Counselors, LLP

Title

~~Refrigeration unit for container~~

REFRIGERATOR UNIT FOR CONTAINER

BEST AVAILABLE COPY

Preliminary Class

.062

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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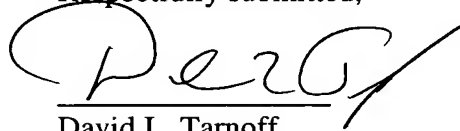
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* * *

Attached is a copy of the official Filing Receipt received from the PTO in the above application, with the correction noted thereon. Issuance of a corrected Filing Receipt is respectfully requested. No fee is due for this correction.

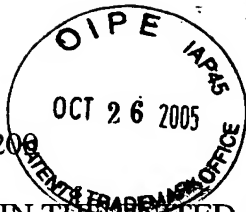
Respectfully submitted,



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GA10-OCT05-THDK-US030200 Filing Receipt Correction.doc



DK-US030200

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Takashi TANAKA

Serial No.: New – (National Phase of
PCT/JP2004/006021)

International filing date: April 26, 2004

For: REFRIGERATOR UNIT FOR
CONTAINER (AS AMENDED)

COPY

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

Prior to examination of the above-identified application, please amend the subject application as follows.

Amendments to the Title begin on page 2 of this paper.

Amendments to the Specification begin on page 3 of this paper.

Amendments to the Abstract begin on page 4 of this paper.

Amendments to the Claims are reflected in the Listing of Claims, which begins on page 5 of this paper. Claims 1-18 are pending, with claim 1 being the only independent claims.

Amendments to the Drawings begin on page 10 of this paper and include four (4) attached replacement sheets.

Remarks/Arguments begin on page 11 of this paper.

Serial No.: New – PCT/ JP2004/006021 Nat'l Phase
Filed: Herewith

AMENDMENTS TO THE TITLE:

Please replace the title of this application with the following rewritten version:

RERIGERATOR ~~REFRIGERATION~~ UNIT FOR CONTAINER

AMENDMENTS TO THE SPECIFICATION:

Please add the following paragraph on page 1, between lines 2 and 3:

CROSS-REFERENCE TO RELATED APPLICATIONS

-- This nonprovisional application claims priority under 35 U.S.C. §119(a) to Japanese Patent Application No. 2003-123493, filed in Japan on April 28, 2003, the entire contents of which are hereby incorporated by reference. --

Please replace the heading at page 1, line 23, with the following rewritten version:

SUMMARY OF THE INVENTION ~~DISCLOSURE OF THE INVENTION~~

Please replace the heading at page 10, line 4, with the following rewritten version:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS ~~OF THE INVENTION~~

Please replace the heading at page 28, line 1, with the following rewritten version:

WHAT IS CLAIMED IS: ~~Claims~~

AMENDMENTS TO THE ABSTRACT:

Please replace the paragraph (Abstract) beginning at page 31, line 1 with the following rewritten version:

ABSTRACT

A ~~The present invention provides a~~ refrigerator unit is configured for a container ~~(1)~~ for in which it is possible to know the quantity of air that is ventilated. The refrigerator unit ~~for~~ ~~container (1)~~ is equipped with a ventilation mechanism (4), an opening degree detecting mechanism (5), and a recording unit (75). The ventilation mechanism (4) ventilates the air inside the container. The opening degree detecting mechanism (5) acquires ventilation data related to the quantity of air ventilated by the ventilation mechanism (4). The recording unit (75) records the ventilation data acquired by the opening degree detecting mechanism (5).

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A refrigerator unit for container ~~(1)~~, comprising:
a ventilation unit ~~(4)~~ configured to ventilate ~~the air of the~~ from an interior IS of a container ~~E~~;
an acquisition unit ~~(5)~~ configured to acquire ventilation data related to ~~the~~ a quantity of air ventilated by the ventilation unit ~~(4)~~; and
a recording unit ~~(75)~~ configured to record the ventilation data acquired by the acquisition unit ~~(5)~~.
2. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 1, further ~~equipped with~~ comprising
a first output unit ~~(76, 78)~~ configured to output the quantity of the air ventilated by the ventilation unit ~~(4)~~ based on the ventilation data recorded by the recording unit ~~(75)~~.
3. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~claim 1~~ claim 2, further ~~equipped with~~ comprising
a second output unit ~~(76, 78)~~ configured to output the ventilation data recorded by the recording unit ~~(75)~~.
4. The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of the claims 1 to 3~~ claim 1, wherein
the ventilation unit ~~(4)~~ has a ventilation passage ~~(40)~~ through which the ventilated air passes and an opening/closing member ~~(41, 48)~~ configured to open and close the ventilation passage 40; and
the acquisition unit is further configured to acquire the ventilation data includes
opening degree data indicating the degree to which the opening/closing member ~~(41, 48)~~ has opened the ventilation passage ~~(40)~~ as at least part of the ventilation data.

5. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 4, wherein

the opening/closing member ~~(41, 48)~~ is configured to be manually operated to open and close the ventilation passage ~~(40) by being moved in a manual fashion.~~

6. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 4 ~~or 5~~, wherein

the acquisition unit ~~(5)~~ has an opening degree detecting device means ~~(50, 66, 67)~~ configured to detect the opening degree based on a movement ~~the amount of movement~~ of the opening/closing member ~~(41)~~.

7. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 6, wherein

the acquisition unit ~~(5)~~ further has a transmitting device means ~~(51, 55, 57-59)~~ configured to transmit the movement amount of the opening/closing member ~~(41, 48)~~ to the opening degree detecting device means ~~(50)~~.

8. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 7, further ~~equipped with~~ comprising

a thermally insulated wall ~~(26)~~ made of a thermal insulation material ~~and that is~~ arranged and configured to separate the interior ~~(IS)~~ of the container ~~and an~~ exterior of the container ~~(C)~~; and

the transmitting device means ~~(51)~~ being imbedded in the thermally insulated wall ~~(26)~~.

9. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 7 ~~or 8~~, further ~~provided with~~ comprising

a temperature detecting device means ~~(61)~~ configured to detect ~~the~~ an ambient temperature surrounding the transmitting device means ~~(51)~~; and

a correction unit (74) configured to correct the movement amount of the opening/closing member (41, 48) transmitted by the transmitting device means (51) based on the ambient temperature.

10. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 4 to 9~~ claim 4, wherein
the recording unit (75) is configured to record the ventilation data when the opening degree of the opening/closing member (41, 48) ~~is~~ has changed.

11. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 10~~ claim 1, wherein
the recording unit (75) is configured to record the ventilation data when the refrigerator unit ~~for container~~ starts running.

12. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of the claims 1 to 11~~ claim 1, wherein
the recording unit (75) is configured to record the ventilation data each time a specific amount of time elapses or at a specific time of day.

13. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 3~~ claim 1, wherein
the ventilation unit (4) has a ventilation passage (40) through which the ventilated air passes and an air speed detecting device means (63) configured and arranged to detect the speed of the air passing through the ventilation passage (40); and
the acquisition unit is further configured to acquire the ventilation data includes the air speed data detected by the air speed detecting device means (63) as at least part of the ventilation data.

14. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 3~~ claim 1, wherein

the ventilation unit (4) has a ventilation passage (40) through which the ventilated air passes and a blower device (47) configured to generate a flow of the air that is ventilated through the ventilation passage (40); and

the acquisition unit is further configured to acquire the ventilation data includes output data from the blower device (47) as at least part of the ventilation data.

15. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 3~~ claim 1, wherein

the ventilation unit (4) has a ventilation passage (40) through which the ventilated air passes and a pressure detecting device means (64, 65) configured and arranged to detect the pressure difference between the inlet and outlet of the ventilation passage (40); and

the acquisition unit is further configured to acquire the ventilation data includes the pressure difference data detected by the pressure detecting device means (64, 65) as at least part of the ventilation data.

16. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 3~~ claim 1, wherein

the acquisition unit is further configured to acquire the ventilation data includes freight quantity data related to a the quantity of freight loaded in the container (C) as at least part of the ventilation data.

17. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with ~~any one of claims 1 to 16~~ claim 1, wherein

the acquisition unit is further configured to acquire the ventilation data is data that indirectly indicates the quantity of the air ventilated by the ventilation unit (4) as at least part of the ventilation data; and further comprises

a conversion unit (73) configured to convert the ventilation data into a quantity of air is further provided.

18. (Currently Amended) The refrigerator unit ~~for container (1)~~ in accordance with claim 17, wherein
the conversion unit ~~(73)~~ has a plurality of different converting devices configured for
~~means (F1, F2) adapted to~~ different ventilation unit ~~(4)~~ configurations.

AMENDMENTS TO THE DRAWINGS:

The attached sheets of drawings include changes to Figures 3, 12, 13 and 14 to include separate "Fig." legends for parts (a), (b) and (c). These replacement sheets, which include Figures 3(a)-3(c), 12(a)-12(c), 13(a)-13(c) and 14(a)-14(c), and replace the original sheets that included Figures 3, 12, 13 and 14.

Attachment: four (4) replacement sheets

Serial No.: New – PCT/ JP2004/006021 Nat'l Phase
Filed: Herewith

REMARKS

Entrance of this Amendment is respectfully requested.

Respectfully submitted,



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